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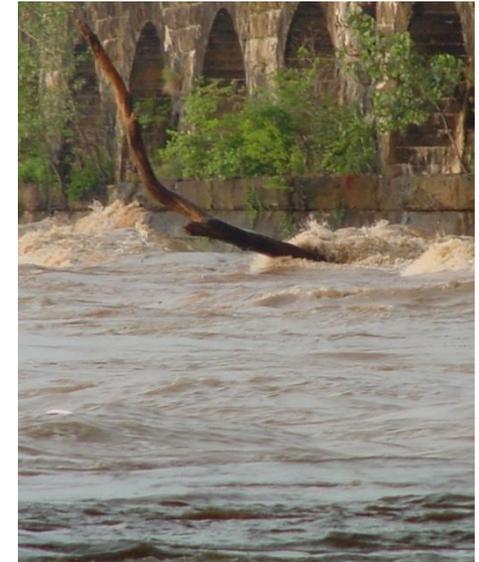
Delaware River Basin Commission

Hydrologic Conditions

Amy L. Shallcross, P.E.

Manager, Water
Resource Operations

February 21, 2019



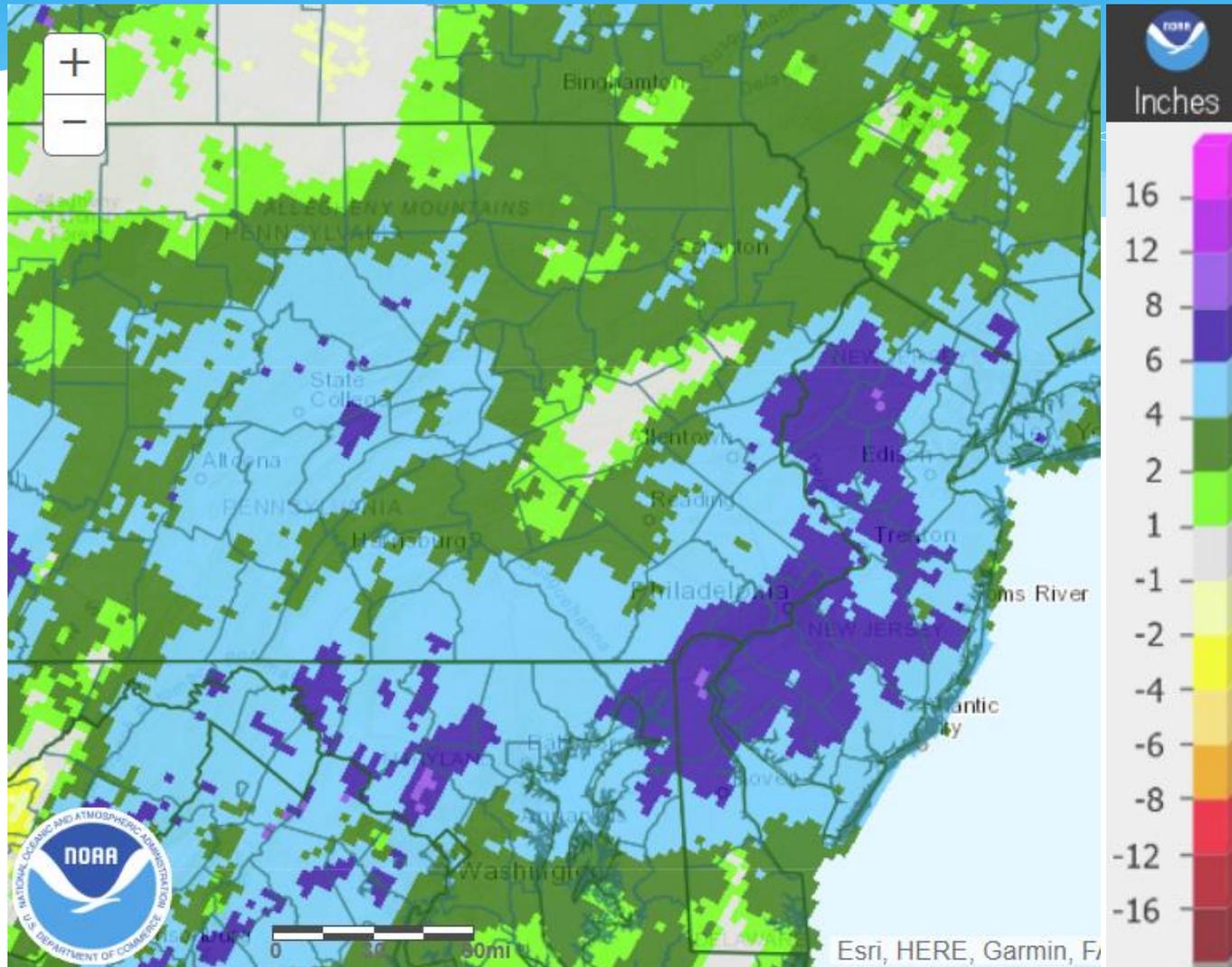
Delaware River Basin Commission

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Precipitation

	2017	2018	January- Feb. 18, 2019
Above Montague	46.03" (+0.74")	60.63" (+14.92")	6.47" (+1.72")
Above Trenton	45.30" (-2.70")	67.70" (+19.70")	6.40" (+1.33")
Wilmington	39.90" (-3.18")	61.37" (+18.29")	6.41" (+1.68")

90-Day Precipitation Departures

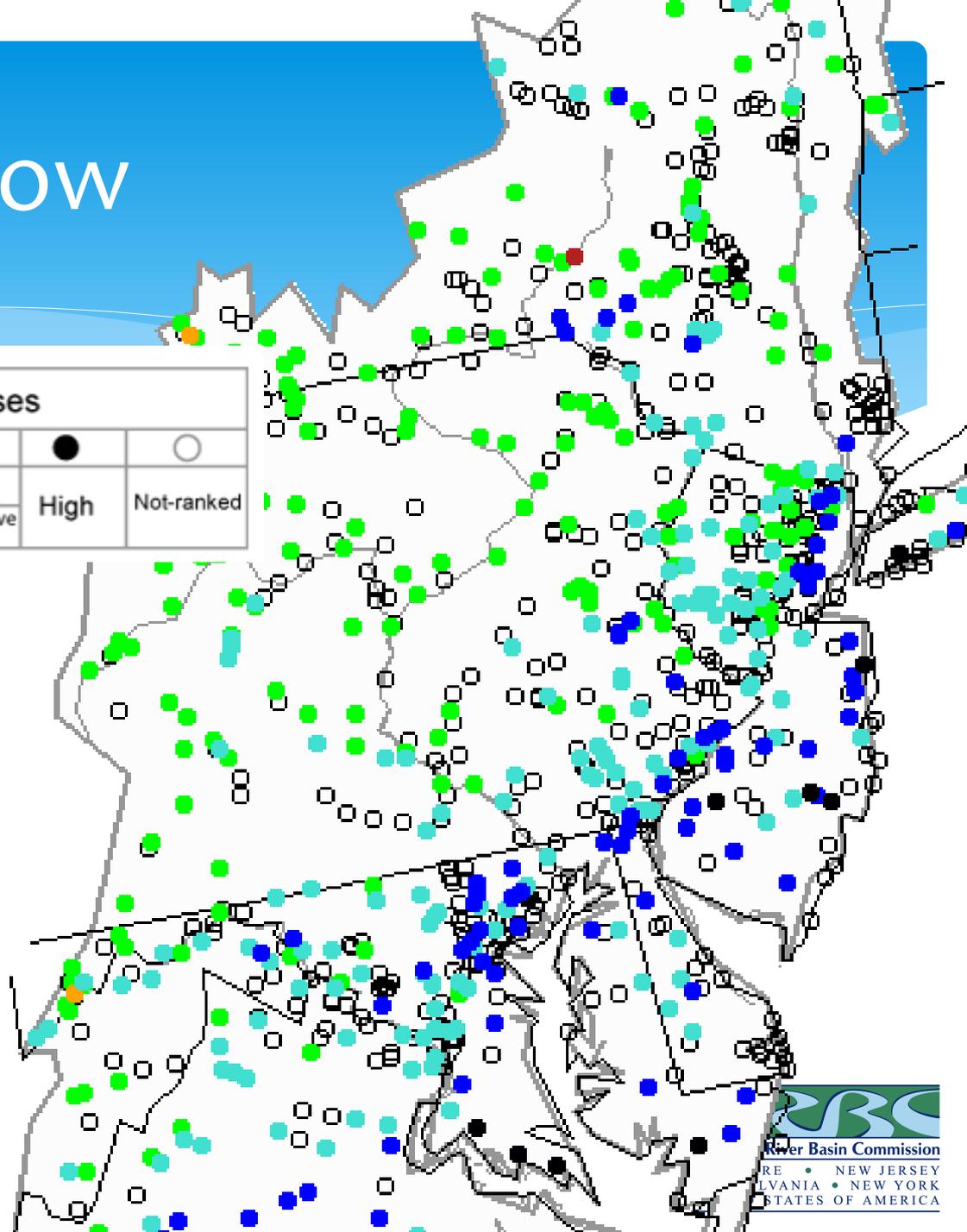


Streamflow

Explanation - Percentile classes

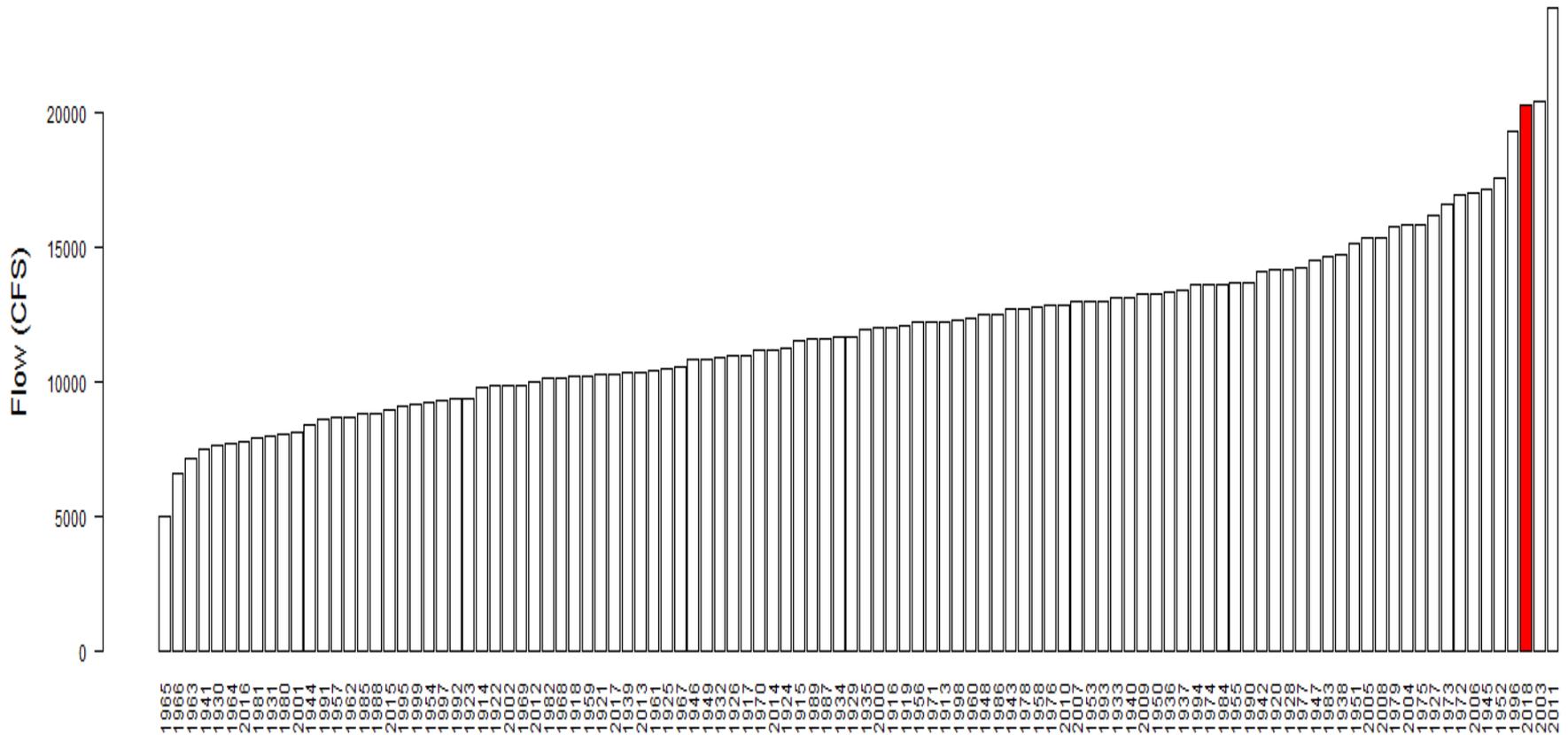
							
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

As of 7:30 am, Tuesday,
February 21, 2019



Third Highest Average Flow at Trenton, NJ

Delaware River at Trenton Average Flow (CFS) each year with 2018 in red

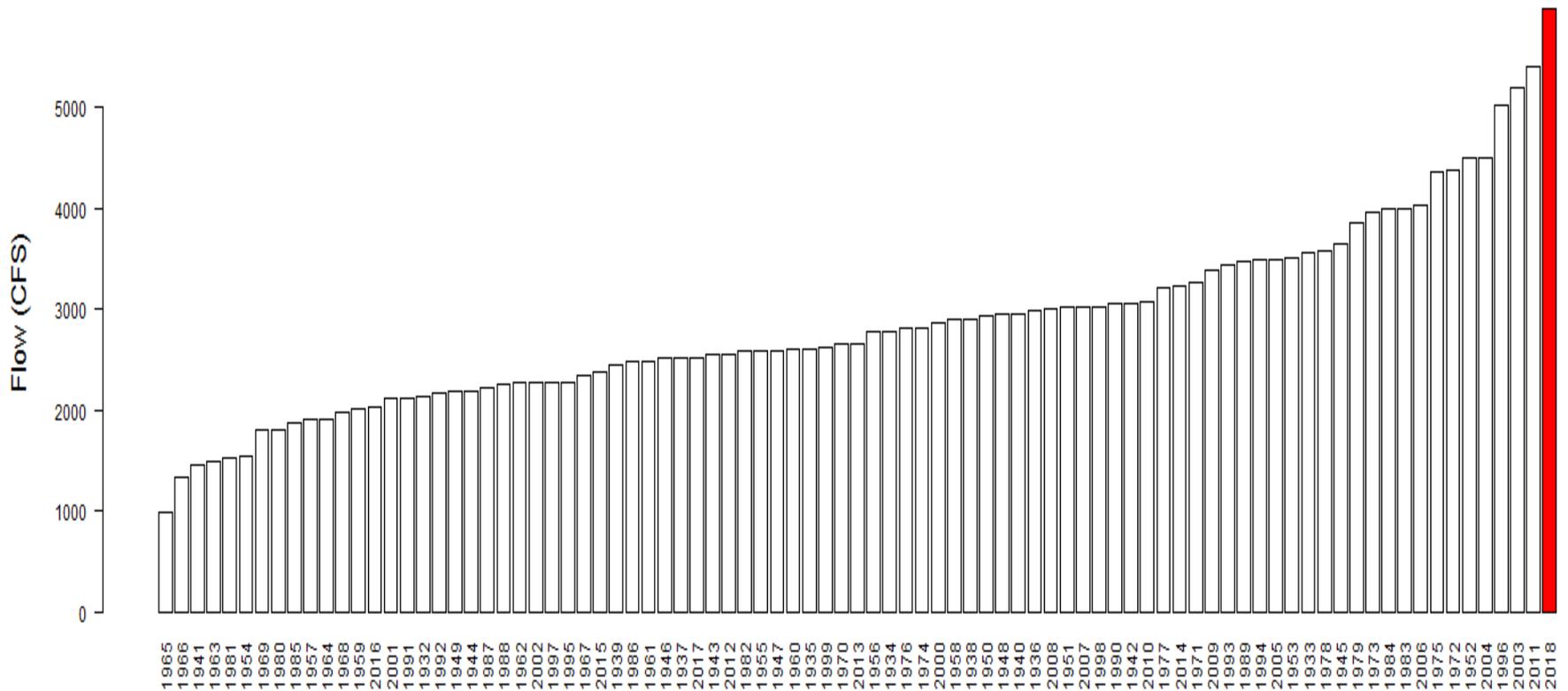


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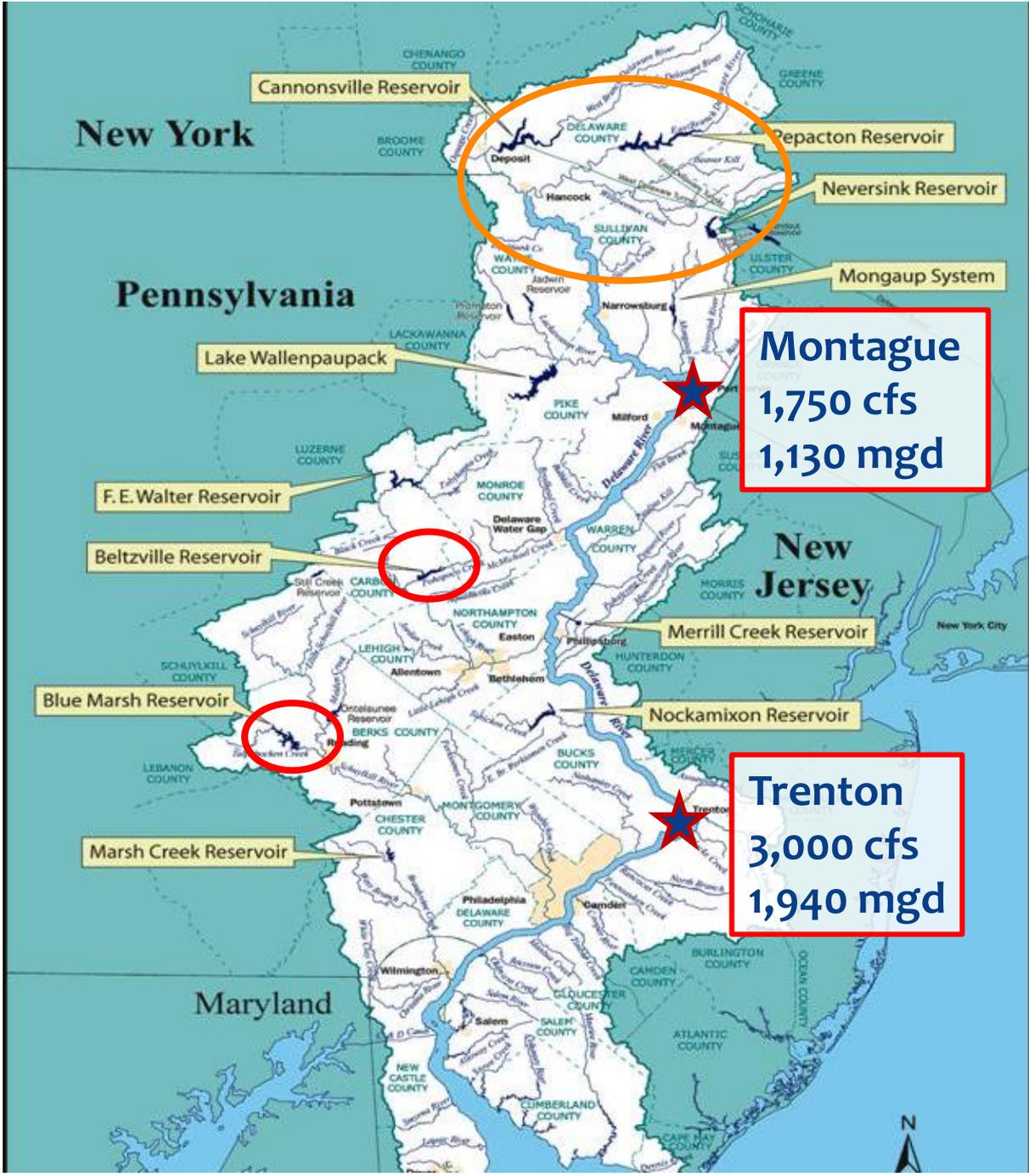
Highest Average Flow at Philadelphia

Schuylkill River at Philadelphia Average Flow (CFS) each year with 2018 in red



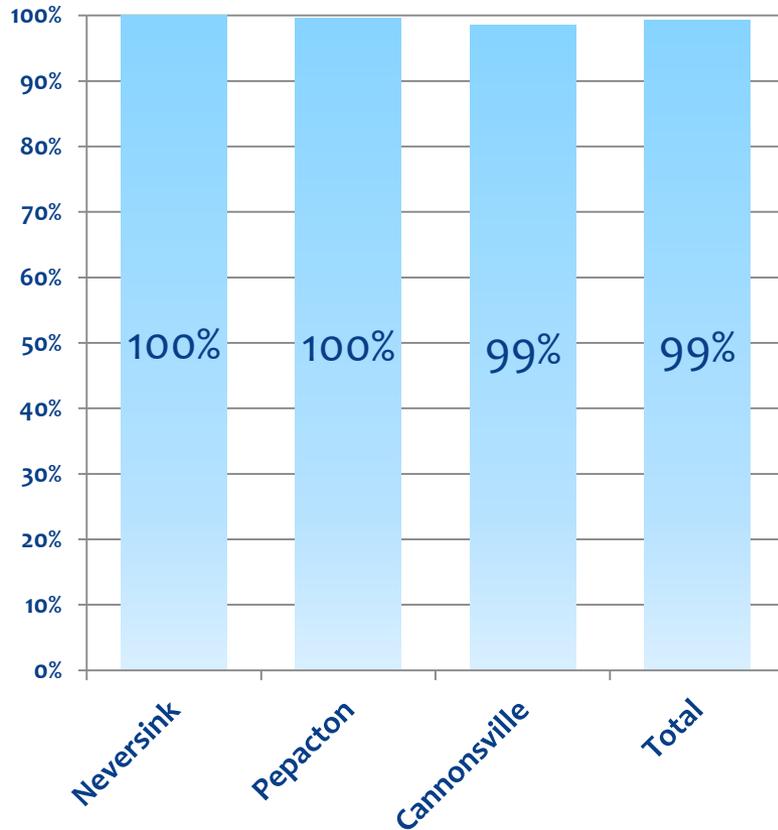
Storage

In very dry periods, flow at Trenton can be 60 percent or more from reservoir releases

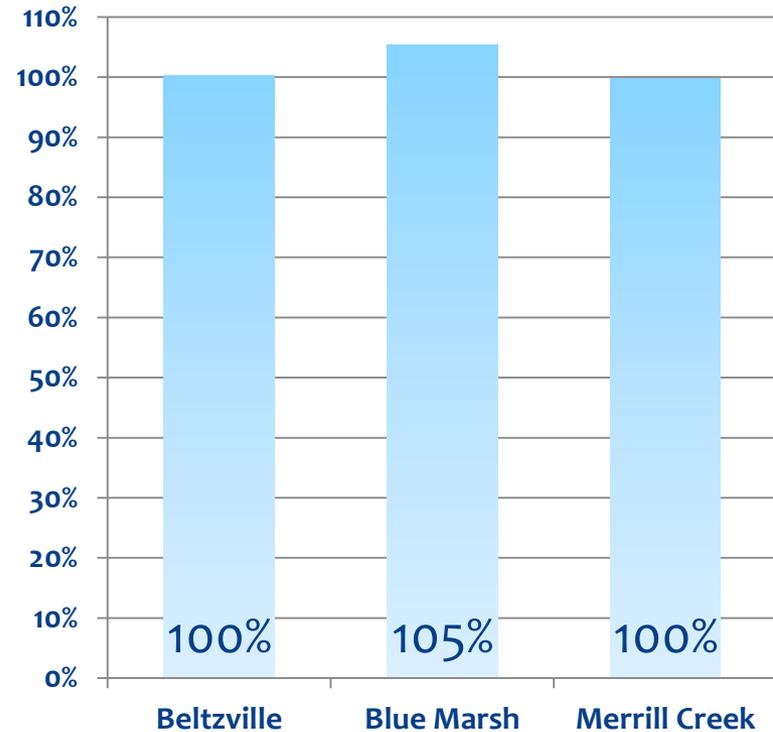


Basin Storage

New York City Delaware River Basin Storage

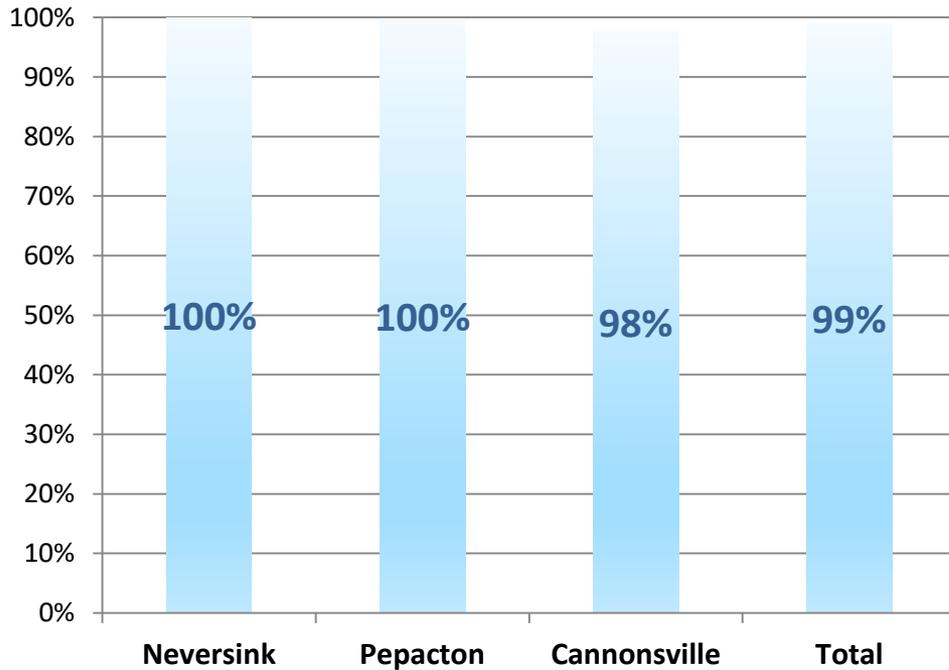


Lower Basin Storage

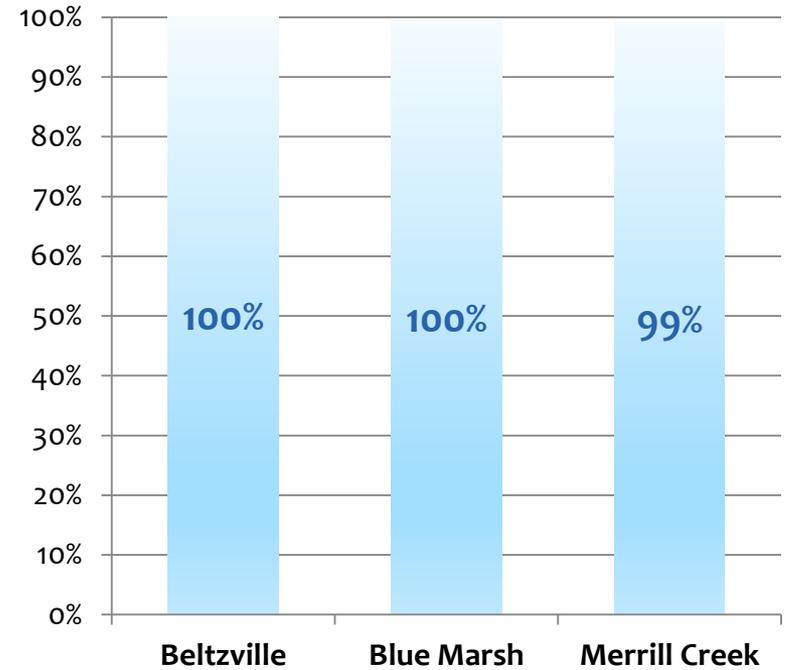


Basin Storage

New York City Delaware River Basin Storage



Lower Basin Storage

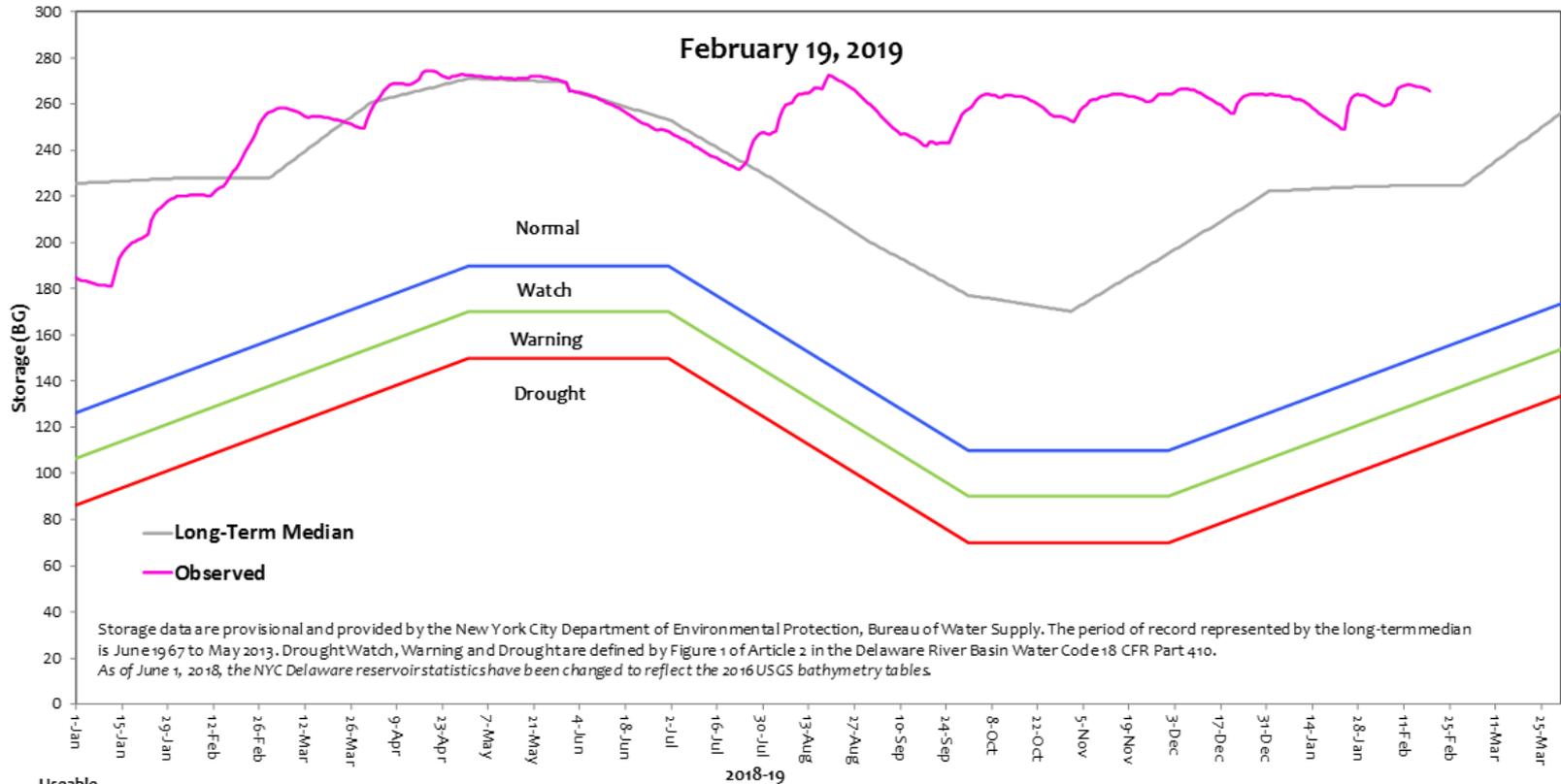


12/11/18

2/19/19 Storage= 265.6 BG



New York City Delaware River Basin Storage

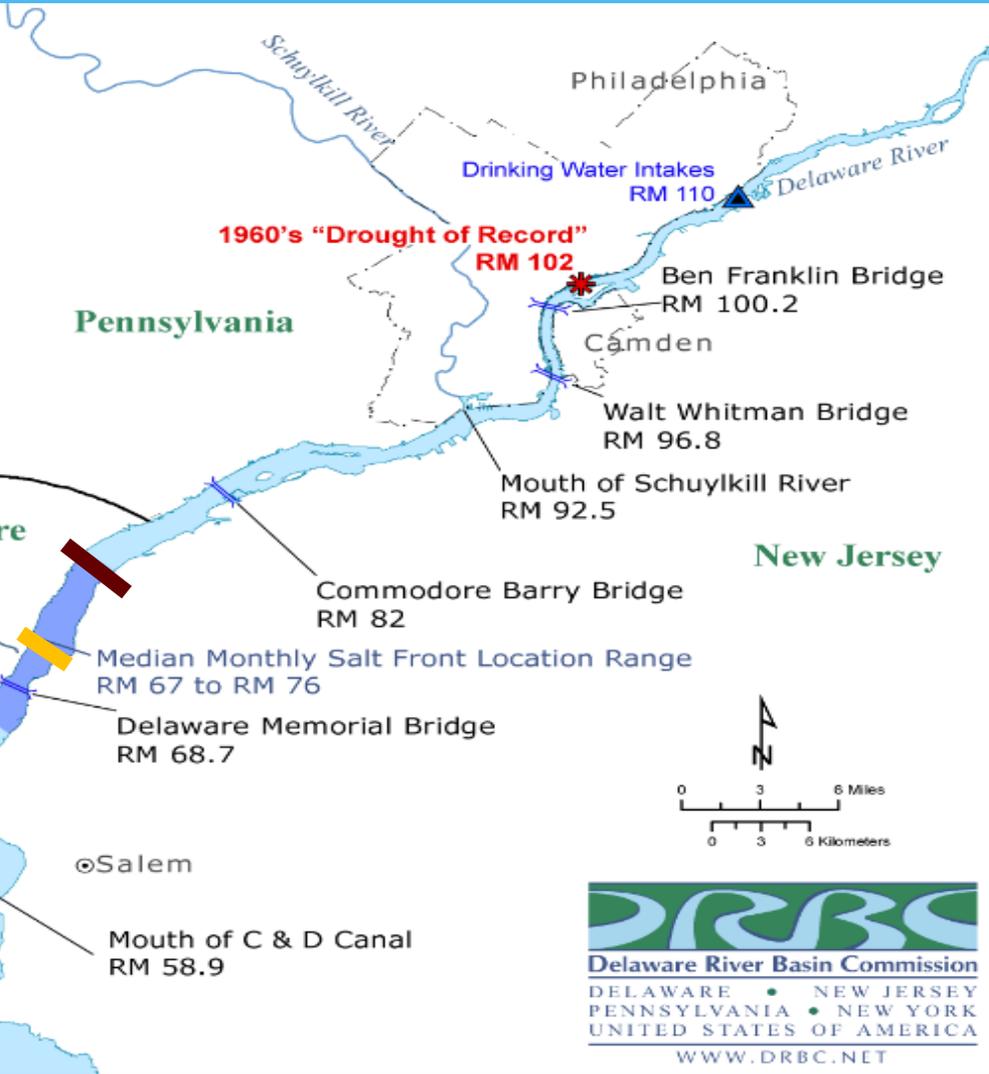


Useable Storage	Cannonsville	Pepacton	Neversink	Total	BG Above Drought Watch =	BG Above Daily Storage Median =
BG	92.1	138.8	34.8	265.6	113	41
%	98.6%	99.6%	100.2%	99.3%	133	BG Above One Year Ago = 33
					BG Above Drought Warning =	
					BG Above Drought =	153

Salt Front

Median Monthly Salt Front Location (River Mile)	
January	69.0
February	70.7
March	70.0
April	67.0
May	68.0
June	69.2
July	70.4
August	73.8
September	76.0
October	72.0
November	70.5
December	69.4

Based upon salt front location data from January 1998 through February 2013.



Chlorides
7-Day Avg. RM Location of
250 mg/l

Current R.M. 62

Normal R.M. 71

Max 2018 R.M. 76

The Flow Objective at Trenton was designed to repel salinity for the protection of drinking water treatment facilities and industrial intakes.



Groundwater

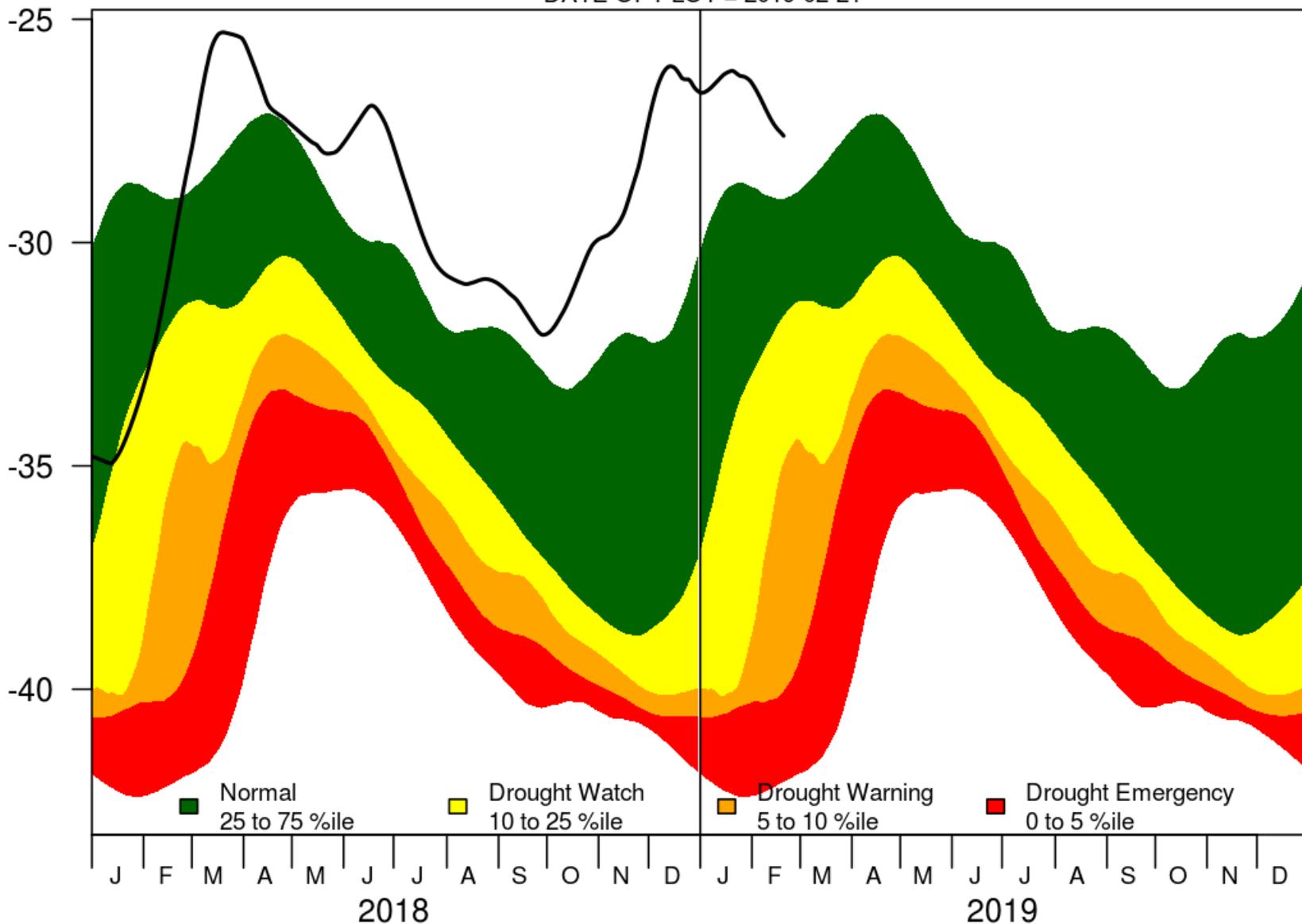
COUNTY	STATE	AGENCY DATA	WELL ID	YEAR RECORD BEGINS	INDICATOR STATUS AS OF OCTOBER 15, 2018	INDICATOR STATUS AS OF FEBRUARY 19, 2019
Sullivan	NY	USGS	<u>Sv</u> 535	2001	Above Normal	Above Normal
Wayne	PA	USGS	WN 64	1967	Above Normal	Above Normal
Monroe	PA	USGS	MO 190	1967	Above Normal	Above Normal
Carbon	PA	USGS	CB 104	1969	Above Normal	Above Normal
Schuylkill	PA	USGS	SC 296	1975	Above Normal	Normal
Lehigh	PA	USGS	LE 644	1971	Above Normal	Above Normal
Lebanon	PA	USGS	LB 372	1973	Above Normal	Above Normal
Bucks	PA	USGS	BK 1020	1975	Above Normal	Above Normal
Chester	PA	USGS	CH 10	1966	Above Normal	Above Normal
Delaware	PA	USGS	DE 723	1983	Above Normal	Above Normal
Burlington	NJ	USGS	050689	1955	Normal	Above Normal
Cumberland	NJ	USGS	110042	1972	Above Normal	Above Normal
New Castle	DE	Delaware GS	Db24-18	1993	Normal	Above Normal (as of January 2019)



BK 1020 BUCKS COUNTY OBSERVATION WELL

PROVISIONAL DATA - SUBJECT TO CHANGE
RECORD START = 1975-09-04 NUMBER OF YEARS = 40
DATE OF PLOT = 2019-02-21

30-Day Moving Average Depth to Water, in Feet Below Land Surface



NOAA 3-Month Outlook

